FIG. 1

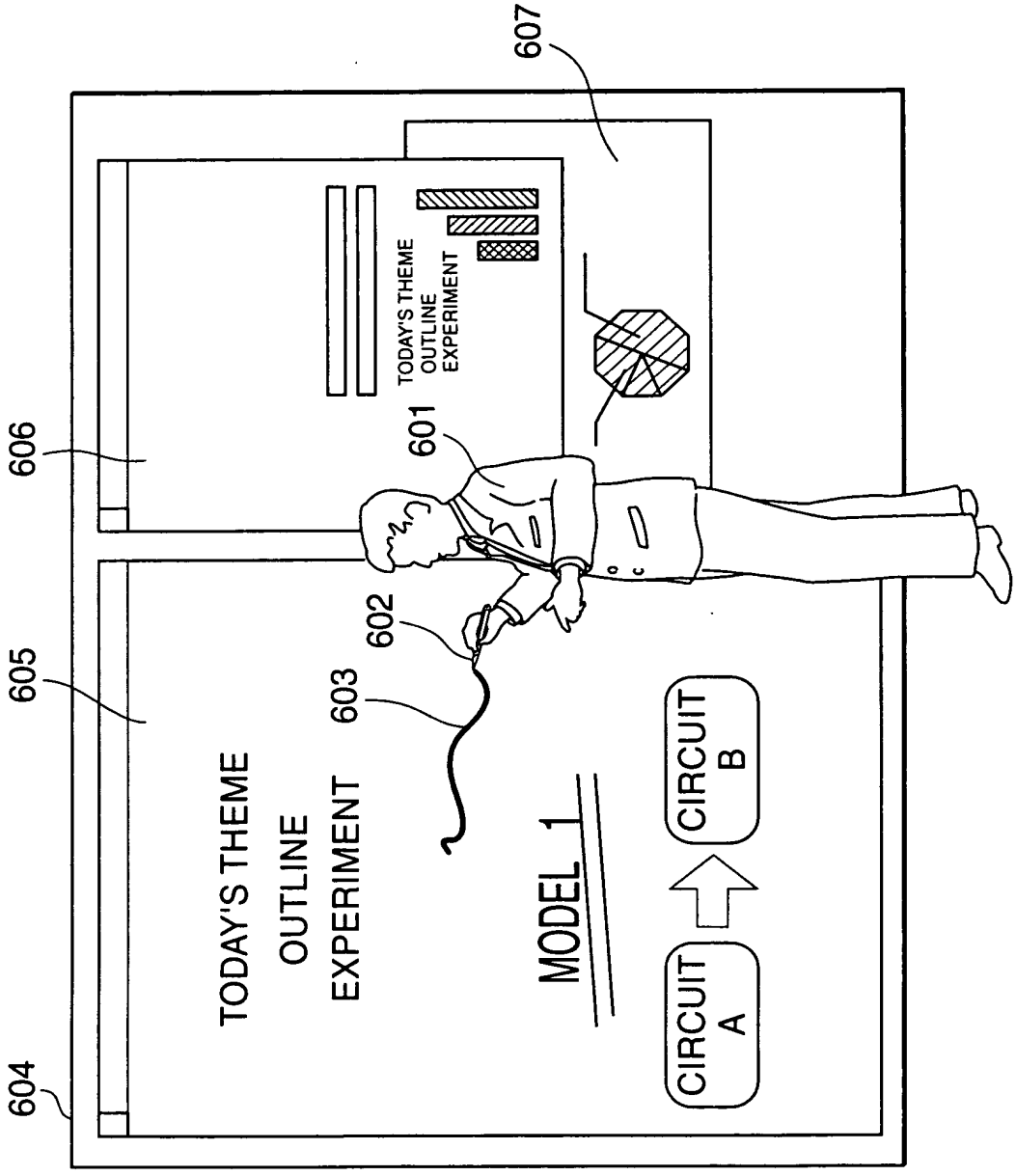

607
606
605
604
601
602
603
TODAY'S THEME
OUTLINE
EXPERIMENT
TODAY'S THEME
OUTLINE
EXPERIMENT
MODEL 1
CIRCUIT
A
CIRCUIT
B

FIG. 2

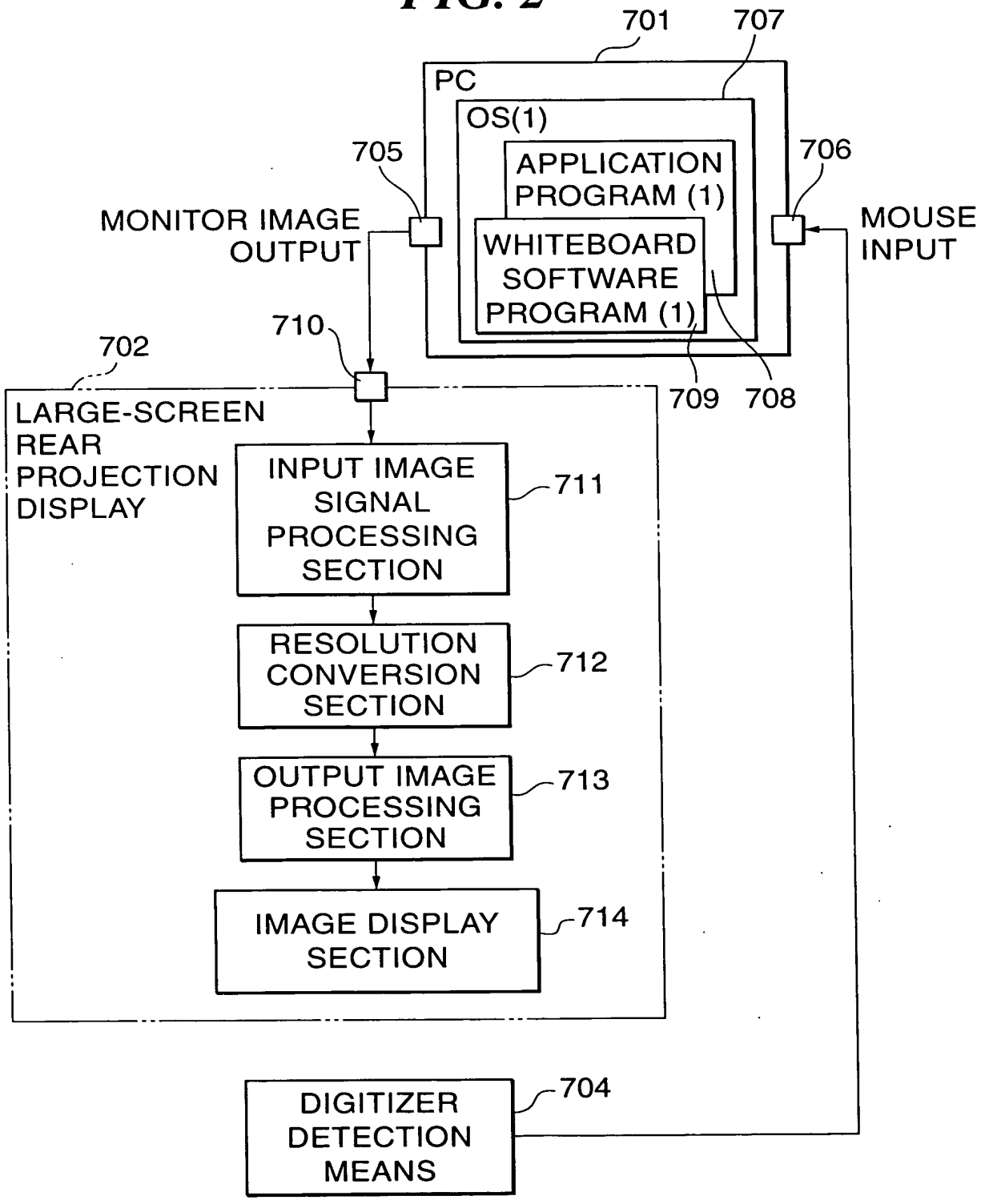

701
707
PC
OS(1)
APPLICATION PROGRAM (1)
WHITEBOARD SOFTWARE PROGRAM (1)
705
706
MONITOR IMAGE OUTPUT
MOUSE INPUT
710
702
709
708
LARGE-SCREEN REAR PROJECTION DISPLAY
INPUT IMAGE SIGNAL PROCESSING SECTION
711
RESOLUTION CONVERSION SECTION
712
OUTPUT IMAGE PROCESSING SECTION
713
IMAGE DISPLAY SECTION
714
DIGITIZER DETECTION MEANS
704

FIG. 3

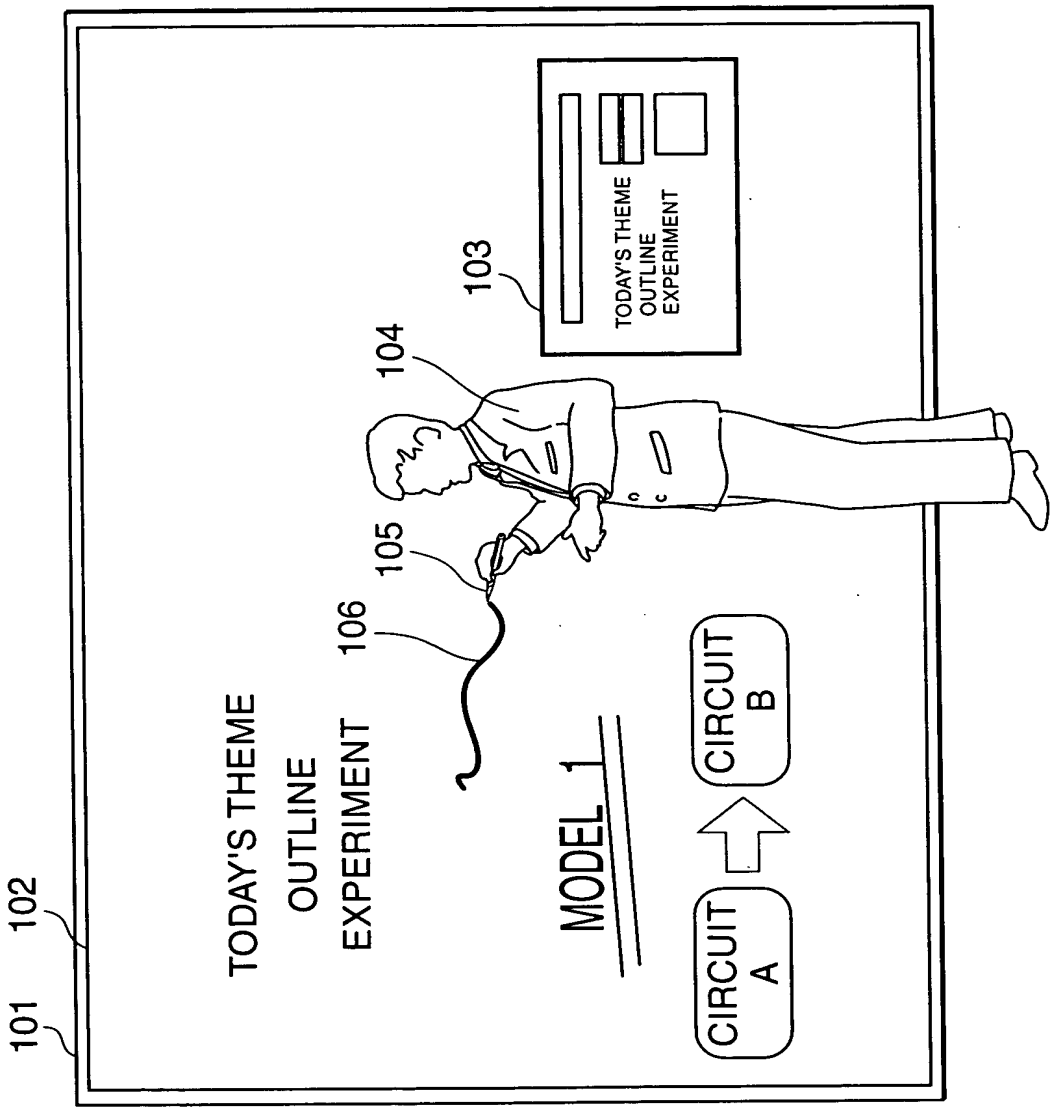

101
102
TODAY'S THEME
OUTLINE
EXPERIMENT
106
105
104
103
TODAY'S THEME
OUTLINE
EXPERIMENT
MODEL 1
CIRCUIT A
CIRCUIT B

FIG. 4

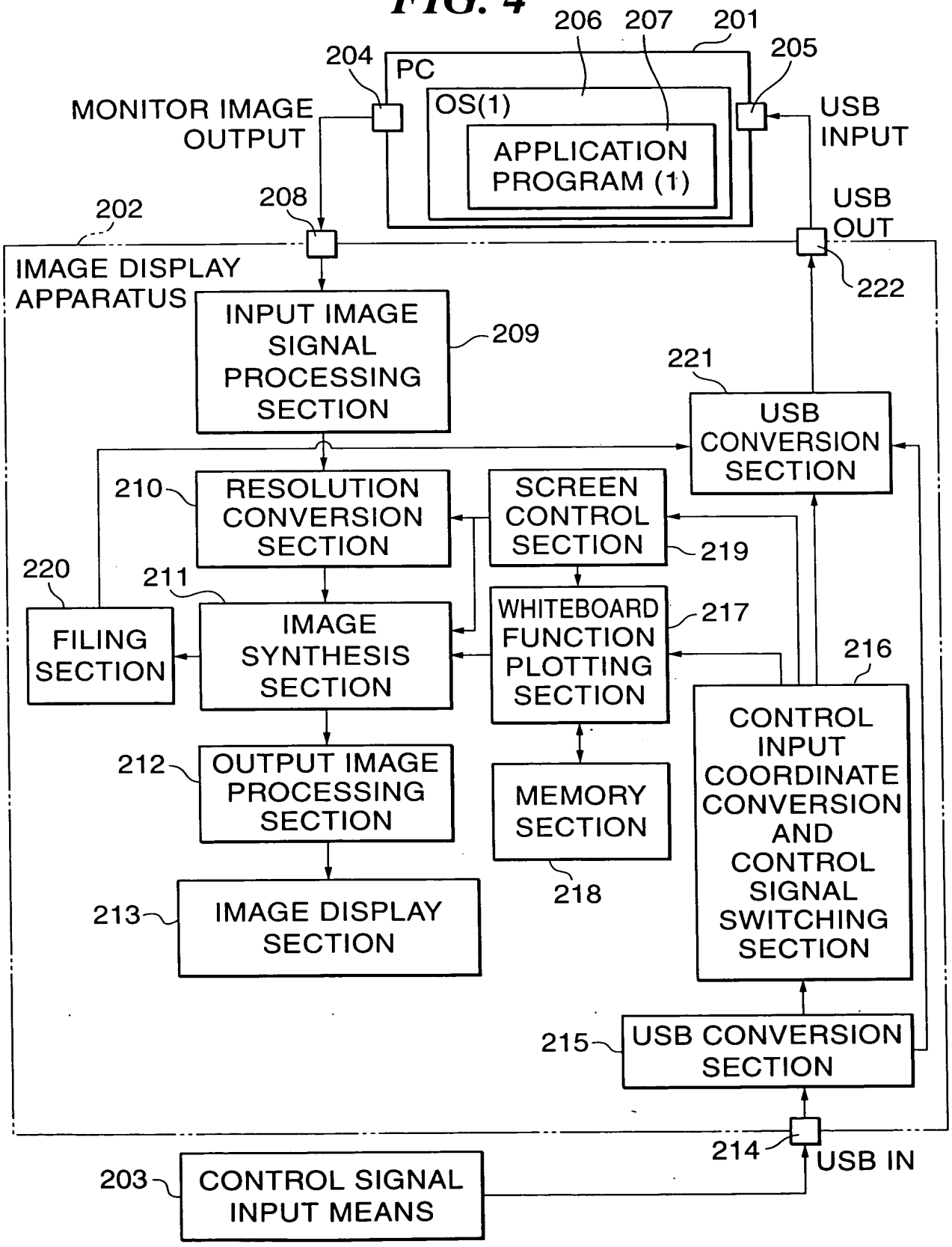

206
207
201
204
PC
205
MONITOR IMAGE OUTPUT
OS(1)
USB INPUT
APPLICATION PROGRAM (1)
208
202
USB OUT
IMAGE DISPLAY APPARATUS
222
INPUT IMAGE SIGNAL PROCESSING SECTION
209
221
USB CONVERSION SECTION
210
RESOLUTION CONVERSION SECTION
SCREEN CONTROL SECTION
219
220
211
WHITEBOARD FUNCTION PLOTTING SECTION
217
216
FILING SECTION
IMAGE SYNTHESIS SECTION
CONTROL INPUT COORDINATE CONVERSION AND CONTROL SIGNAL SWITCHING SECTION
212
OUTPUT IMAGE PROCESSING SECTION
MEMORY SECTION
218
213
IMAGE DISPLAY SECTION
215
USB CONVERSION SECTION
214
USB IN
203
CONTROL SIGNAL INPUT MEANS

FIG. 5

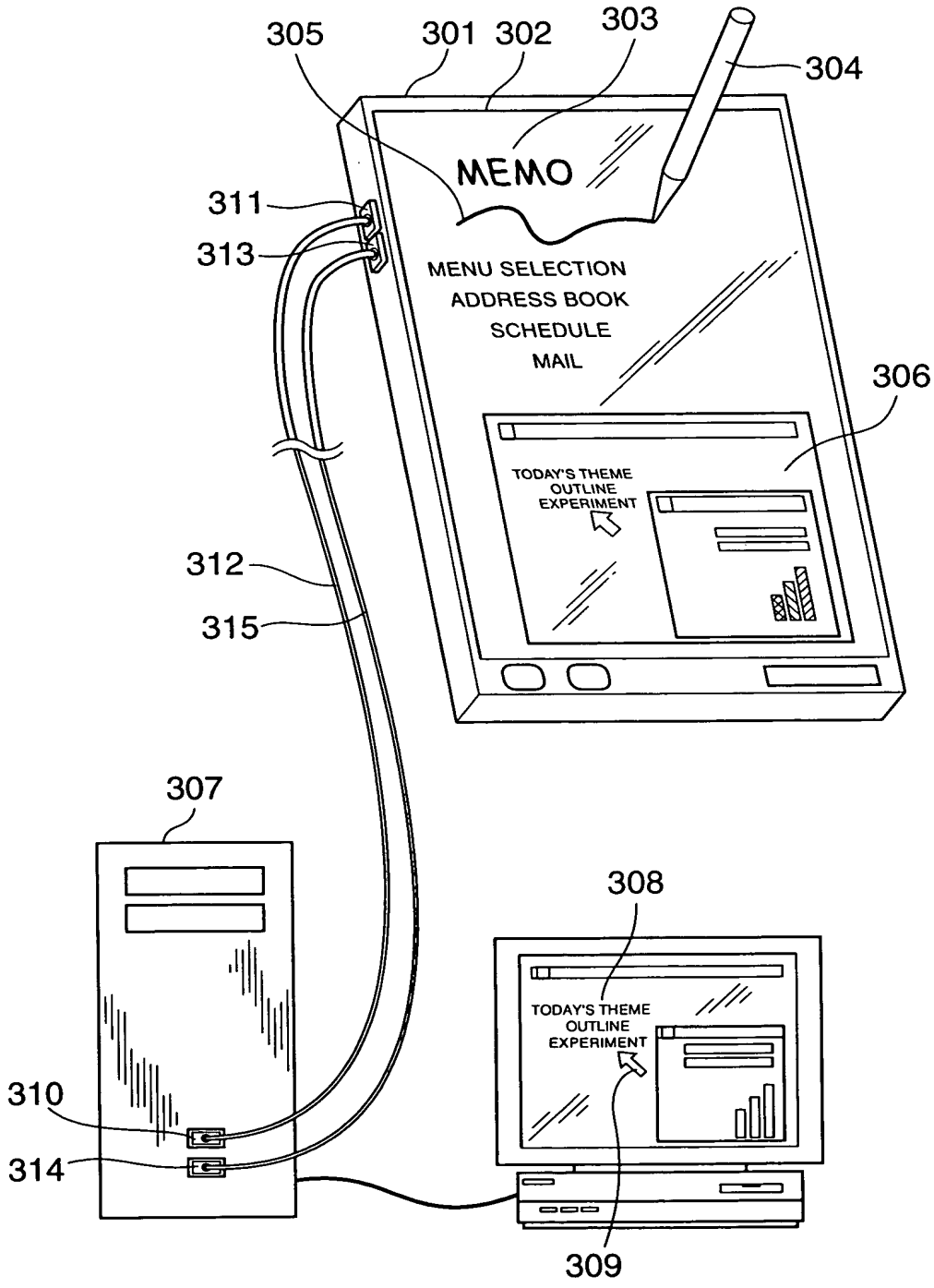

305
301
302
303
304
MEMO
311
313
MENU SELECTION
ADDRESS BOOK
SCHEDULE
MAIL
306
TODAY'S THEME
OUTLINE
EXPERIMENT
312
315
307
308
TODAY'S THEME
OUTLINE
EXPERIMENT
310
314
309

FIG. 6

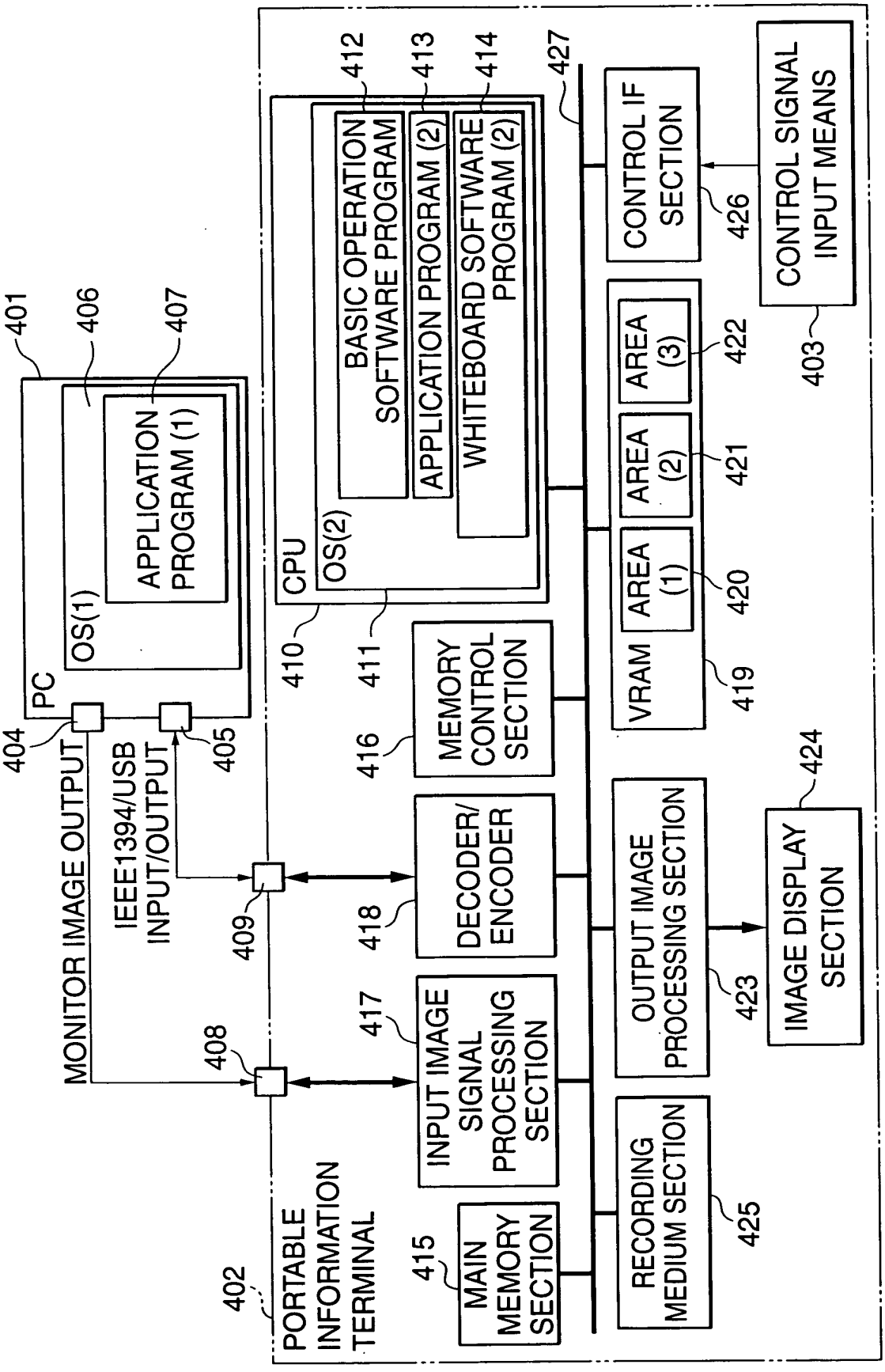

401
406
407
PC
OS(1)
APPLICATION PROGRAM (1)
404
405
MONITOR IMAGE OUTPUT
IEEE1394/USB INPUT/OUTPUT
409
408
402
PORTABLE INFORMATION TERMINAL
CPU
OS(2)
BASIC OPERATION SOFTWARE PROGRAM
APPLICATION PROGRAM (2)
WHITEBOARD SOFTWARE PROGRAM (2)
412
413
414
410
411
427
MEMORY CONTROL SECTION
416
DECODER/ ENCODER
418
INPUT IMAGE SIGNAL PROCESSING SECTION
417
415
MAIN MEMORY SECTION
VRAM
AREA (1)
AREA (2)
AREA (3)
420
421
422
419
OUTPUT IMAGE PROCESSING SECTION
423
IMAGE DISPLAY SECTION
424
RECORDING MEDIUM SECTION
425
CONTROL IF SECTION
426
CONTROL SIGNAL INPUT MEANS
403

FIG. 7

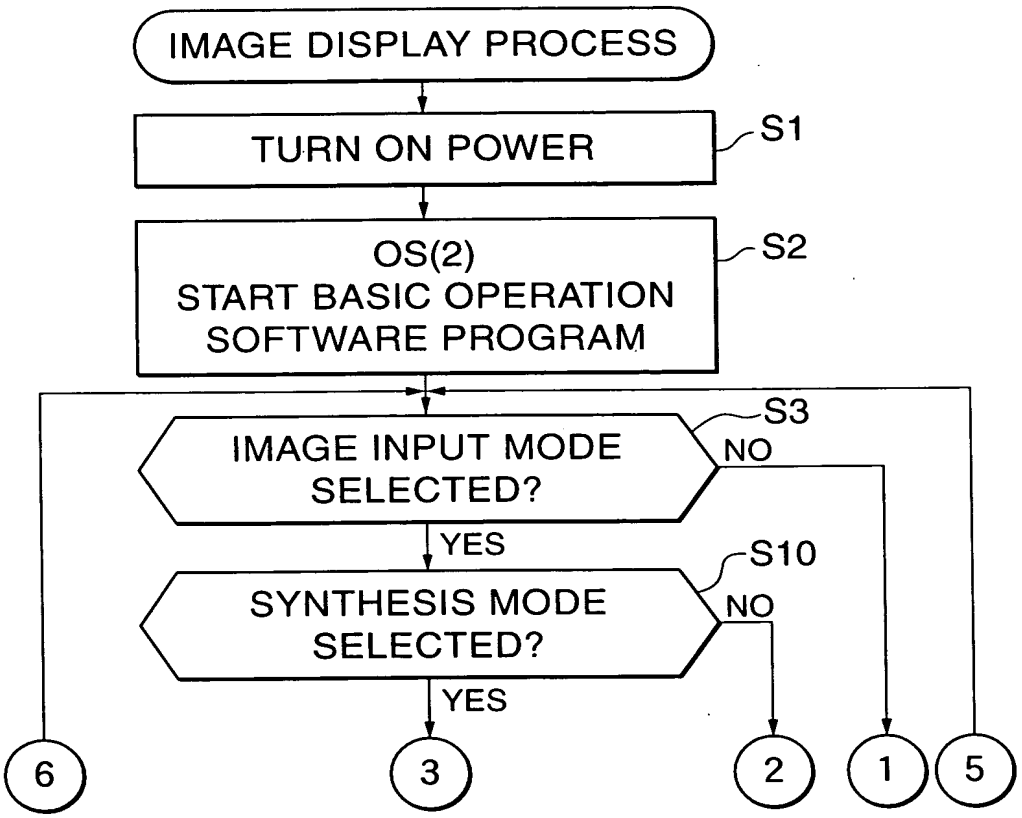


IMAGE DISPLAY PROCESS
TURN ON POWER
S1
OS(2)
START BASIC OPERATION
SOFTWARE PROGRAM
S2
IMAGE INPUT MODE
SELECTED?
S3
NO
YES
SYNTHESIS MODE
SELECTED?
S10
NO
YES
6
3
2
1
5

FIG. 8

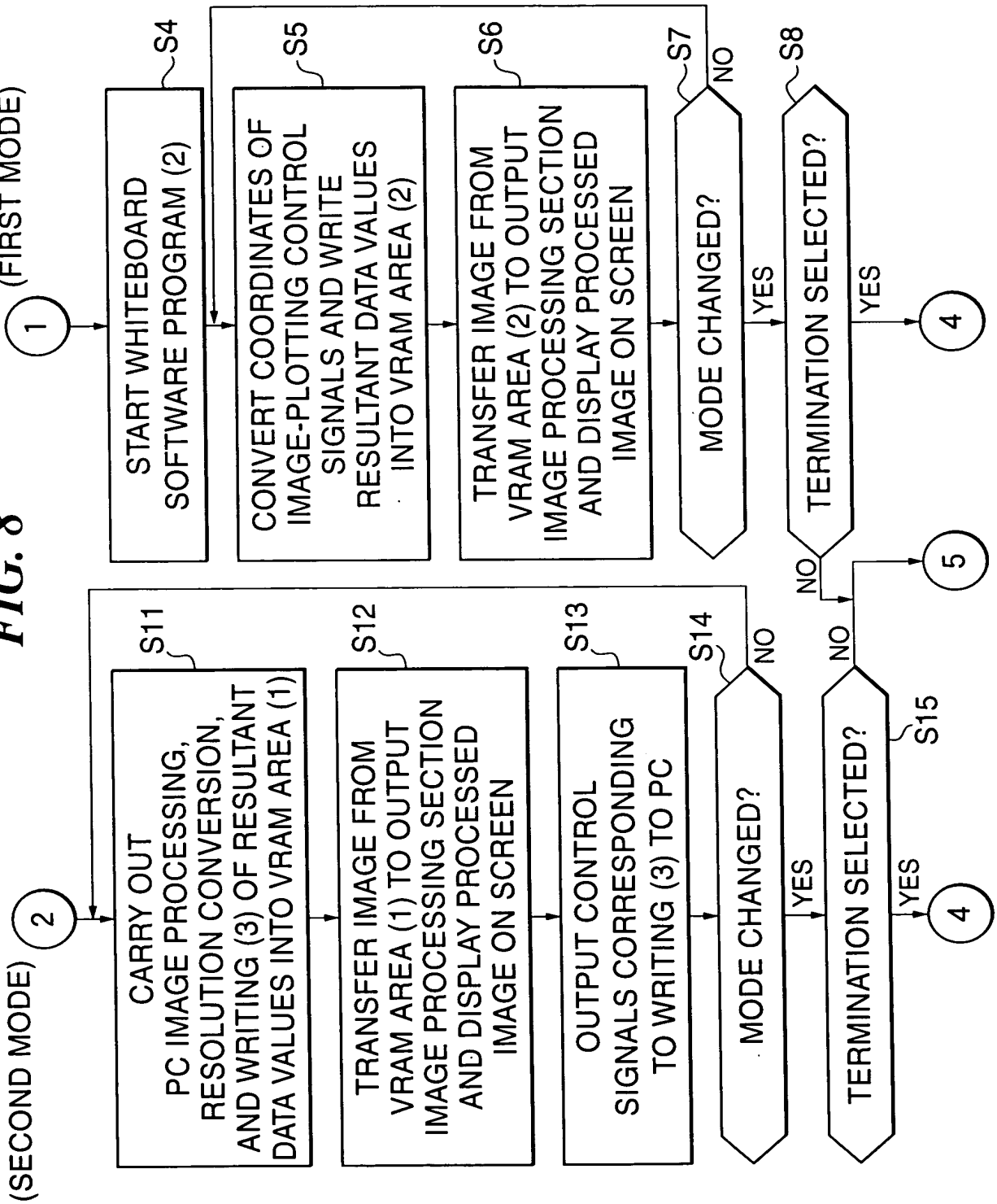
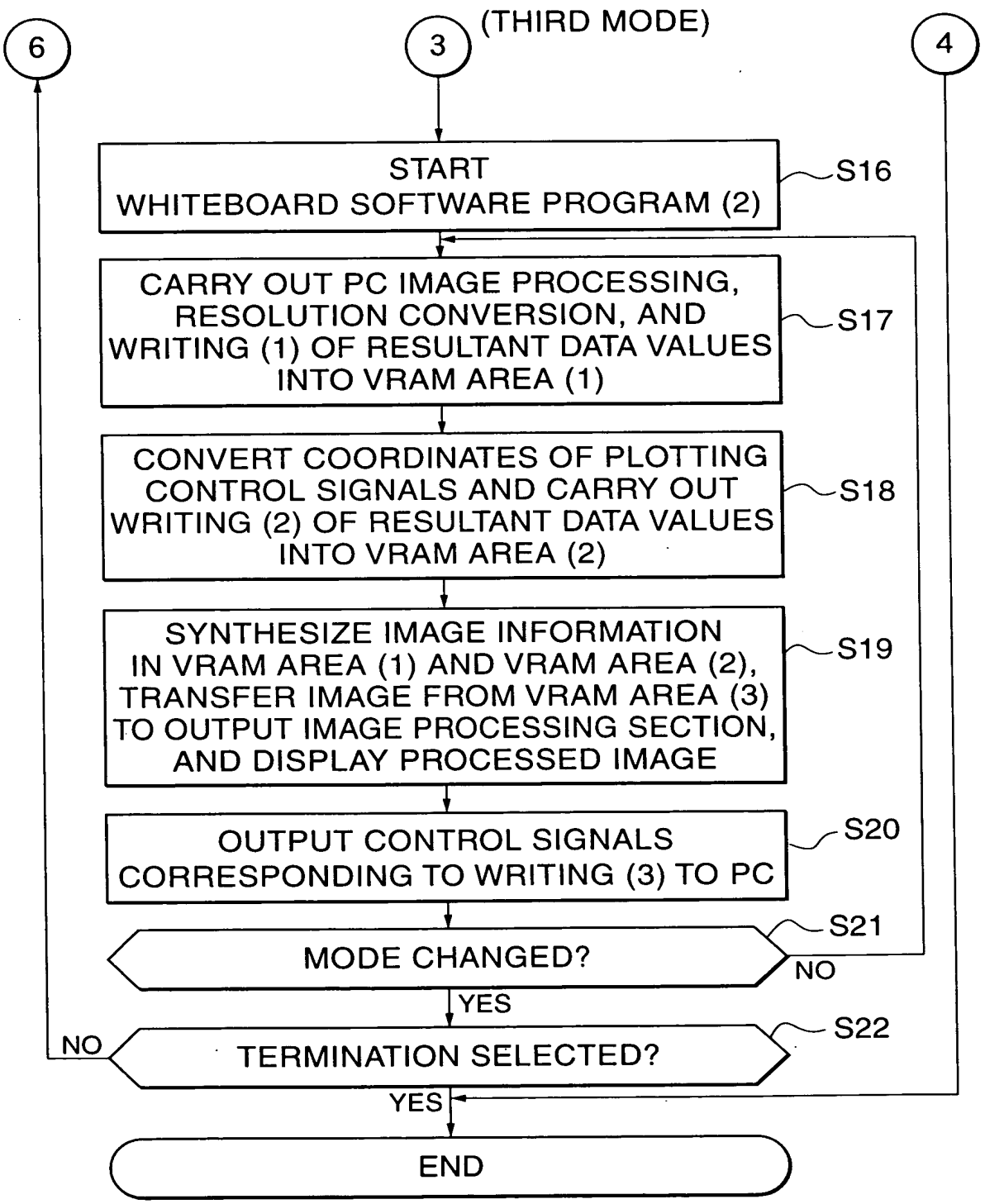

(FIRST MODE)
1
START WHITEBOARD SOFTWARE PROGRAM (2)
S4
CONVERT COORDINATES OF IMAGE-PLOTTING CONTROL SIGNALS AND WRITE RESULTANT DATA VALUES INTO VRAM AREA (2)
S5
TRANSFER IMAGE FROM VRAM AREA (2) TO OUTPUT IMAGE PROCESSING SECTION AND DISPLAY PROCESSED IMAGE ON SCREEN
S6
MODE CHANGED?
S7
NO
YES
TERMINATION SELECTED?
S8
NO
YES
4
5
(SECOND MODE)
2
CARRY OUT PC IMAGE PROCESSING, RESOLUTION CONVERSION, AND WRITING (3) OF RESULTANT DATA VALUES INTO VRAM AREA (1)
S11
TRANSFER IMAGE FROM VRAM AREA (1) TO OUTPUT IMAGE PROCESSING SECTION AND DISPLAY PROCESSED IMAGE ON SCREEN
S12
OUTPUT CONTROL SIGNALS CORRESPONDING TO WRITING (3) TO PC
S13
MODE CHANGED?
S14
NO
YES
TERMINATION SELECTED?
S15
NO
YES
4

FIG. 9


6
3
(THIRD MODE)
4
START WHITEBOARD SOFTWARE PROGRAM (2)
S16
CARRY OUT PC IMAGE PROCESSING, RESOLUTION CONVERSION, AND WRITING (1) OF RESULTANT DATA VALUES INTO VRAM AREA (1)
S17
CONVERT COORDINATES OF PLOTTING CONTROL SIGNALS AND CARRY OUT WRITING (2) OF RESULTANT DATA VALUES INTO VRAM AREA (2)
S18
SYNTHESIZE IMAGE INFORMATION IN VRAM AREA (1) AND VRAM AREA (2), TRANSFER IMAGE FROM VRAM AREA (3) TO OUTPUT IMAGE PROCESSING SECTION, AND DISPLAY PROCESSED IMAGE
S19
OUTPUT CONTROL SIGNALS CORRESPONDING TO WRITING (3) TO PC
S20
MODE CHANGED?
S21
NO
YES
NO
TERMINATION SELECTED?
S22
YES
END